

Title (en)

Color sequential electronic camera.

Title (de)

Elektronische Kamera mit sequentieller Farbaufnahme.

Title (fr)

Caméra électronique prenant les couleurs de manière séquentielle.

Publication

**EP 0660616 A3 19960424 (EN)**

Application

**EP 94120157 A 19941220**

Priority

US 17173193 A 19931222

Abstract (en)

[origin: EP0660616A2] A color sequential electronic camera includes an RGB light source in which the R and G sources are activated in combination to provide a luminance light beam, and the R and B sources separately to provide separate chrominance light beams. Image light reflected by a subject is captured by an image sensor, which generates a color sequential signal comprising a sequence of luminance and chrominance image components. By activating the light sources such that chrominance light beams alternate between luminance light beams, the chrominance image components are captured at a lower temporal rate than the luminance image components. Furthermore, by binning the sensor photosites together for the chrominance image, the chrominance components are captured at a lower spatial resolution than the luminance image components. <IMAGE>

IPC 1-7

**H04N 9/04**; **H04N 5/225**

IPC 8 full level

**G03G 15/05** (2006.01); **A61B 1/04** (2006.01); **G02B 23/24** (2006.01); **H04N 23/12** (2023.01); **H04N 25/46** (2023.01)

CPC (source: EP US)

**H04N 23/555** (2023.01 - EP); **H04N 23/56** (2023.01 - EP US); **H04N 23/73** (2023.01 - EP US); **H04N 23/84** (2023.01 - EP US); **H04N 25/133** (2023.01 - EP); **H04N 25/135** (2023.01 - EP); **H04N 25/46** (2023.01 - EP US); **H04N 25/50** (2023.01 - EP US); **H04N 25/534** (2023.01 - EP US); **H04N 23/555** (2023.01 - US)

Citation (search report)

- [E] WO 9515061 A1 19950601 - APOLLO CAMERA LLC [US]
- [A] DE 3808011 A1 19880922 - OLYMPUS OPTICAL CO [JP]
- [A] US 5264925 A 19931123 - SHIPP JOHN I [US], et al

Cited by

GB2286939B; US6345765B1; CN111521113A; EP1531629A4; US6042013A; EP1051045A3; EP4210324A1; EP2877080A4; US7711252B2; CN111247554A; EP3709254A4; EP1667463A3; EP2877077A4; US9777913B2; US10670248B2; US11674677B2; US11363245B2; US10084944B2; US10911649B2; US11438490B2; US10251530B2; US11185213B2; US11974717B2; WO2023135021A1; US9641815B2; US10205877B2; US10917562B2; US10568496B2; US11083367B2; US9762879B2; US10277875B2; US10785461B2; US11070779B2; US11863878B2

Designated contracting state (EPC)

DE FR GB

DOCDB simple family (publication)

**EP 0660616 A2 19950628**; **EP 0660616 A3 19960424**; **EP 0660616 B1 20000322**; DE 69423591 D1 20000427; DE 69423591 T2 20001019; EP 0964584 A1 19991215; JP H07240931 A 19950912; US 5523786 A 19960604

DOCDB simple family (application)

**EP 94120157 A 19941220**; DE 69423591 T 19941220; EP 99117157 A 19941220; JP 31796894 A 19941221; US 17173193 A 19931222